

Figure 4 is a side view of inside-out motor 50 shown in Figure 3 positioned to be attached to a load 60. In one embodiment, load 60 is a fan. Inside-out motor annular flange 24 rests on a surface 62 of a tooling apparatus 64 while supporting rotor cup 22. Load 60 is pressed onto rotor cup 22 in a vertical direction 66. Annular flange 24 provides a smooth surface when load 60 is pressed onto rotor cup 22. Annular flange 24 has an increased surface area because of outwardly flared curved edge 46 (shown in Figure 2).

#### IN THE CLAIMS

Please cancel claims 1-4.

5. (twice amended) A rotor cup assembly for an electric motor, said rotor cup assembly comprising a housing comprising a top, a bottom, a sidewall extending circumferentially from said top and having a first diameter, said sidewall and said top defining a cavity, and an annular flange extending circumferentially from said sidewall for strengthening said sidewall, said annular flange having a first inner diameter, a second inner diameter, and a first thickness, said first inner diameter less than said second inner diameter.

6. (twice amended) A rotor cup assembly in accordance with Claim 5 wherein said annular flange comprising an edge, said annular flange outwardly flared from said sidewall by an angle ( $\Phi$ ).

9. (once amended) A rotor cup assembly in accordance with Claim 5 wherein said annular flange second inner diameter greater than said housing sidewall first diameter.

10. (once amended) A rotor cup assembly in accordance with Claim 5 wherein said annular flange provides a smooth tapered surface for pressing an item into said rotor cup.

11. (twice amended) An electric motor comprising a stator including a stator core having a winding thereon, a rotor positioned at least partially around said stator, a rotor shaft positioned at least partially within said rotor, and a rotor cup, said rotor shaft extending through said rotor cup, said rotor cup comprising:

a housing comprising a top, a bottom, a sidewall, and an annular flange, said sidewall extending circumferentially from said top and having a first diameter, said annular flange